

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/002447

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 E01B7/12

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 E01B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 1 461 701 A (PSILANDER) 10 July 1923 (1923-07-10) page 1, line 36-108; figures 1-4	1,2,10, 12,13
A	GB 02608 A A.D. 1911 (EDGAR ALLEN AND COMPANY, LTD.) figures 1-4	1,8
A	EP 1 138 830 A (BWG BUTZBACHER WEICHENBAU GMBH CO. KG) 4 October 2001 (2001-10-04) cited in the application paragraphs '0024!-'0034!; figures 1-4	1

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
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Date of the actual completion of the international search

18 June 2004

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24/06/2004

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Information on patent family members

International Application No

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 1461701	A	10-07-1923	NONE	
GB 191102608	A		NONE	
EP 1138830	A	04-10-2001	DE 10015508 A1	04-10-2001
			DE 10015522 A1	04-10-2001
			EP 1138830 A2	04-10-2001
			EP 1138829 A2	04-10-2001